

APPENDIX A

Field Data Forms

SWFL SURVEY AND DETECTION FORM

Study Area _____ Survey Site _____ Date _____

Observer(s) _____ UTM Zone _____

Start Time _____ UTM E 0 _____ N _____	Stop Time _____ UTM E 0 _____ N _____
---	--

Intermediate Waypoints			
UTM E 0 _____	N _____	UTM E 0 _____	N _____
UTM E 0 _____	N _____	UTM E 0 _____	N _____
UTM E 0 _____	N _____	UTM E 0 _____	N _____
UTM E 0 _____	N _____	UTM E 0 _____	N _____
UTM E 0 _____	N _____	UTM E 0 _____	N _____
UTM E 0 _____	N _____	UTM E 0 _____	N _____
UTM E 0 _____	N _____	UTM E 0 _____	N _____

SWFL Detections			
UTM E 0 _____	N _____	Banded? Y N U	Pair? Y N Nest Found? Y N
Comments _____			
UTM E 0 _____	N _____	Banded? Y N U	Pair? Y N Nest Found? Y N
Comments _____			
UTM E 0 _____	N _____	Banded? Y N U	Pair? Y N Nest Found? Y N
Comments _____			
UTM E 0 _____	N _____	Banded? Y N U	Pair? Y N Nest Found? Y N
Comments _____			

Survey Summary			
Total survey hours _____	# SWFLS found _____	Est. # Pairs _____	Est. # Territories _____
Playbacks used? Y or N Cowbirds Detected? Y or N If Y, approx # _____			
Sign of Livestock? Y or N If yes, explain _____			

Additional Comments _____

SWFL SURVEY AND DETECTION FORM – Additional Waypoints

Study Area _____ **Survey Site** _____ **Date** _____

Observer(s) _____ UTM Zone _____

Intermediate Waypoints

UTM E N UTM E N UTM E N UTM E N UTM E N UTM E N UTM E N UTM E N UTM E N UTM E N

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E N UTM E N

UTM E N UTM E N

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E N UTM E N

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

UTM E 0 _____ N _____ UTM E 0 _____ N _____

Comments _____

SWFL SURVEY AND DETECTION FORM – Additional Detections

Study Area _____ Survey Site _____ Date _____
 Observer(s) _____ UTM Zone _____

SWFL Detections

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

UTM E 0 _____ N _____ Banded? Y N U Pair? Y N Nest Found? Y N
 Comments _____

(Complete at least 3 times during season: early (15–25 May), mid-season (10–25 June), and late season (10–25 July))

STUDY AREA: _____ SITE: _____ BANDER: _____ DATE: _____ TIME: _____ TERR/NEST #: _____ NBN: _____ of _____ nestlings banded.

FEDERAL BAND #	COLOR COMBO		STATUS	S E X	C P	B P	AGE AHY, SY, L, or HY	FECAL SAMPLE? (Y or N)	GENETIC SAMPLE? (Y or N)	FEATHER SAMPLE? (Y or N)	WING CHORD (mm)	TAIL (mm)	CULMEN LENGTH (mm)	CULMEN WIDTH (mm)	F A T	MASS (g)
	L	R														

Retained Feathers Present: Yes or No (circle) – if Yes use diagram below
Active Molt: Yes or No (circle) – if Yes use diagram below

Colorimeter sample: Yes or No (circle)
Tail older (more worn) than PPs and SSSs? Yes or No (Circle)

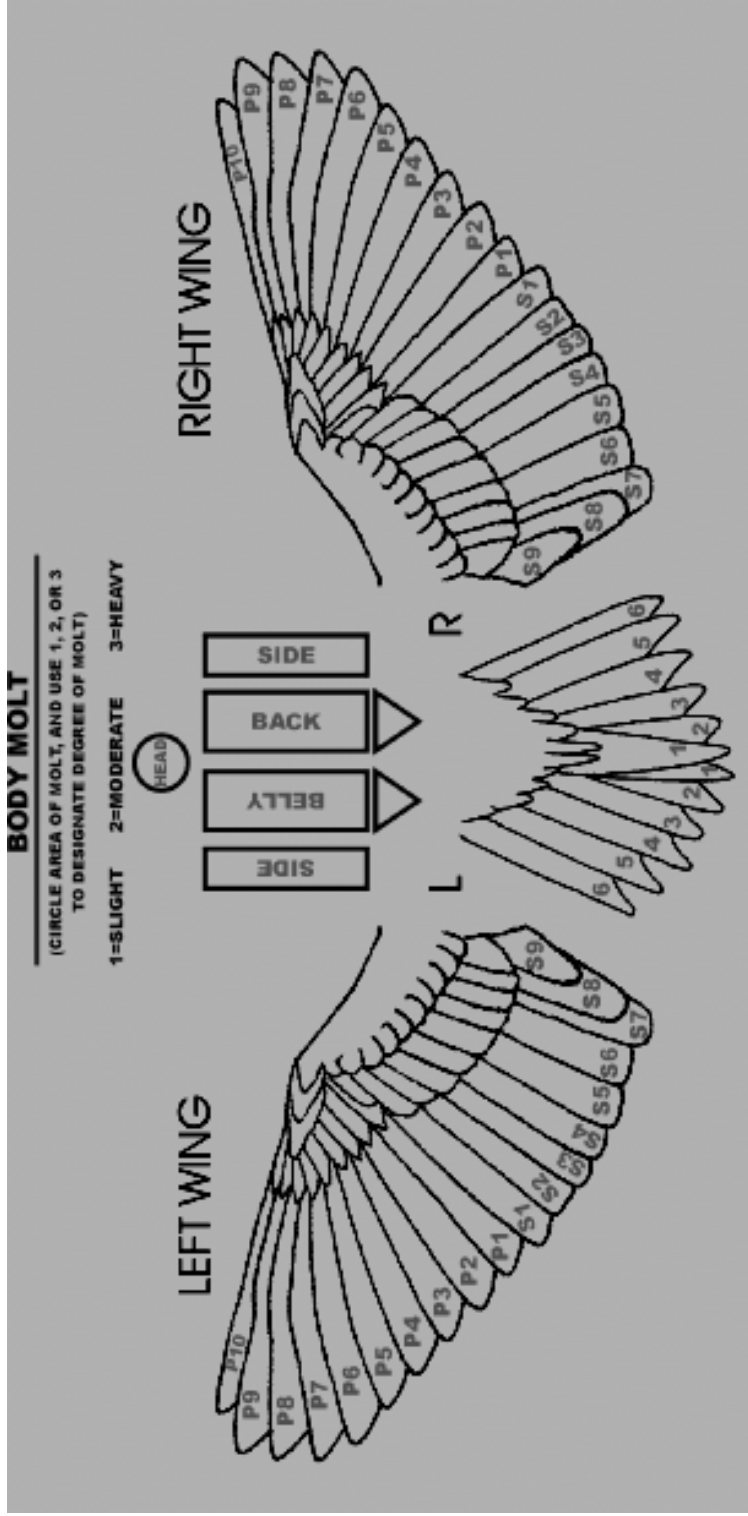
STATUS: NCP (new cap passive), NCT (new cap target), RCP (recap passive), RCT (recap target). NBN (nestling banded)

SEX: U=unknown, F=female, M=male

CP: 0=non-breeding, S=partial breeding, M=full breeding

BP: 0= none, 1=smooth, 2=vascularized and filled with fluid, 3 =wrinkled, 4=molting

FAT: 0 = no fat; 1 = trace of fat in furculum, deeply concave, scattered patches, less than 5 percent filled; 2 = thin layer of fat in furculum, less than a third filled, trace of thin layer of fat in abdomen; 3 = furculum is ½ filled or more. Small patches, not covering some areas, on abdomen; or 4 = furculum more than 2/3 filled, level with clavicles, slightly mounded on abdomen



DETAIL ALL MOLTS AND RETAINED FEATHERS ONTO DIAGRAM AND DETAIL IN NOTES

Colorimetry Data Sheet

SITE: _____

DATE: _____

BANDER: _____

FED BAND NUMBER: _____

CROWN MEASUREMENTS

BACK MEASUREMENTS

PAGE: _____

PAGE: _____

	L*	a*	b*
1			
2			
3			
4			
5			
6			
7			
8			
MAX			
MIN			
AVG			
SD			

	L*	a*	b*
1			
2			
3			
4			
5			
6			
7			
8			
MAX			
MIN			
AVG			
SD			

NOTES:

Date: _____Page ____ of _____

OBS	STUDY AREA	TERR	NEST	COLOR COMBO		CONF LEVEL	ASSOC WITH A NEST?	CAPTURE?	# WIFLS PRESENT	SEX	NBN (__ of __)	OBSERVATIONS AND COMMENTS: discuss observations & activities.
				LEFT LEG (Top/Bottom)	RIGHT LEG (Top/Bottom)							
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
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												Service Band Number =

Willow Flycatcher Territory/Nest Record Form (2005)

Study Area: _____ Survey Site: _____ Territory/Nest no.: _____

Territory/Nest Location:
NAD: _____ Zone: _____

Nest Height: _____ m (approximate)

Territory UTM's:

Nest Substrate: _____ (e.g., TASP=tamarisk, SAGO=Goodding willow, POFR=cottonwood, SAEX = coyote willow, etc.)

Easting: _____

Distance to standing water or saturated soil when nest found: _____ (m)

Northing: _____

GPS Accuracy: _____ m

Depth of surface water at nest (please circle how wet you got when nest was found):

dry saturated soil toes (<5cm) ankles (5-15 cm)

Nest UTM's:

calves (15-40 cm) knees (40-60 cm) thighs (60-80 cm)

Easting: _____

waist (100 cm) too deep to wade (>100 cm)

Northing: _____

GPS Accuracy: _____ m

PLEASE DO NOT FILL OUT ANYTHING BELOW

Bird 1: Color band combination: _____ Band Number: _____ Female

Bird 2: Color band combination: _____ Band Number: _____ Male

Willow Flycatcher			Willow Flycatcher		
Trans dates	B D	(T/F)	No.	Presumed	Confirmed
		Found			Eggs
		First egg			Nestlings
		Clutch completion			Fledglings
		Hatching			
		Fledged or Failed			

Cowbird			Cowbird		
Trans dates	B D	(T/F)	No.	Complete? (T/F)	
		First egg			Eggs
		Hatching			Nestlings
		Fledged			Fledgling

Outcome (Record code & describe): _____

Outcome codes: UN= unknown; FY= fledged young, with at least one young seen leaving or in the vicinity of nest; FP= fledged young, as determined by parents behaving as if dependent fledgling(s) nearby; FU= suspected fledging of at least one young; FC= fledged at least one host young with cowbird parasitism; FD= Nest partially depredated with confirmed fledging of at least one young; PO= predation observed; PE= probable predation, nest empty and intact; PD= probable predation, damage to nest structure; AB= nest abandoned prior to egg(s) being laid; DE= deserted with egg(s) or young; PA= parasitized, host attempted to raise cowbird young. No host young were fledged from the nest; WE= failure due to weather; AD= failure, entire clutch added/infertile; OT= failure due to other, or unknown, causes.	Mayfield Success		
	(WIFL) Period	# Exposure days	Success
	Egg Laying		
	Incubation		
	Nestling		
Mayfield success codes: S= successful; D= depredated; U= status unknown/nest occupied- fate unknown; M= mortality other than predation; A= abandoned with host egg(s) or young; Z= abandoned, no (zero) eggs laid.			

Study Area: _____ Territory/Nest no.: _____
Survey Site: _____

[illegible]

Brown-headed Cowbird Traps

Observer(s): _____ Start Time: _____ End Time: _____ Date: _____

Study Area: _____

Trap #

	M		F	J	M		F	J	M		F	J	M		F	J	M		F	J
COWBIRDS																				
Decoys previously in trap ¹																				
Newly trapped																				
Added ²																				
Died in trap																				
Escaped																				
Transferred ³																				
Euthanized																				
Total left in trap ⁴																				
NON-TARGET SPECIES ⁵																				

Comments _____

LCR Southwestern Willow Flycatcher Project - Vegetation Datasheet

Study area:				Survey site:				Plot type:				ID#:					
Date:		Obs:				UTM: E N				GPS Accuracy: m							
Nest site only		Substr.:		All plot centers		Dist water: m		Woody Ground Cover		Total Canopy							
Substr. DBH: cm		Substr. Ht.: m		Dist canopy gap: m		Dist. Broadleaf: m		N:		E:		N:					
Nest Ht.: m or %- % X m				Top Can.: m or %- % X m				S:		W:		S:					
Species		TASP		SAGO		SAEX		POFR		SNAG		OTSP1:_____		OTSP2:_____		OTSP3:_____	
Shrub/Sapling Count In 5m Plot < or = 8 cm dbh		<1															
		1-2.5															
		2.6-5.5															
		5.6-8															
Species		TASP		SAGO		SAEX		POFR		SNAG		OTSP1:_____		OTSP2:_____		OTSP3:_____	
Tree Count In 5m Plot > 8 cm dbh		8.1-10.5															
		10.5-15															
		Measured Trees >15 cm dbh															
Species		TASP		SAGO		SAEX		POFR		SNAG		OTSP1:_____		OTSP2:_____		OTSP3:_____	
Tree Count in 5m to 11.3m Plot >8 cm dbh																	

NOTES

* If, at ankle height or above, shrub/sapling/tree splits into multiple branches, count it as one stem and measure the biggest stem. If splits below ankle height, count all stems

** If shrub/sapling/tree is not at least breast height, do not count

Vertical Foliage Sampling (i.e., “Hits on the pole”) : Microplot Vegetation

CENTER PLOT							
	Hits/Species						
Height (m)	Tasp	Sago	Saex	Pofr	Snag	Otsp 1*	Otsp 2**
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Record number of decimeters with hits on pole (within 10 cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.

* Other species 1 (write out full name) _____

** Other species 2 (write out full name) _____

Vertical Foliage Sampling (i.e., “Hits on the pole”) Data Form : Microplot Vegetation

Study area:		Survey site:		Plot type:		ID#:									
Date:		Obs.:													
Vertical Foliage Volume															
NORTH	Hits/Species							EAST	Hits/Species						
Height (m)	Tasp	Sago	Saex	Pofr	Snag	Otsp 1*	Otsp 2**	Height (m)	Tasp	Sago	Saex	Pofr	Snag	Otsp 1**	Otsp 2**
1								1							
2								2							
3								3							
4								4							
5								5							
6								6							
7								7							
8								8							
9								9							
10								10							
11								11							
12								12							
13								13							
14								14							
15								15							
16								16							
17								17							
18								18							
19								19							
20								20							
21								21							
22								22							
23								23							
24								24							
25								25							

SIDE 1

* Other species 1 (write out full name) _____

** Other species 2 (write out full name) _____

SIDE 2

SOUTH	Tasp	Sago	Saex	Pofr	Snag	Otsp 1*	Otsp 2**	WEST	Tasp	Sago	Saex	Pofr	Snag	Otsp 1*	Otsp 2**
1								1							
2								2							
3								3							
4								4							
5								5							
6								6							
7								7							
8								8							
9								9							
10								10							
11								11							
12								12							
13								13							
14								14							
15								15							
16								16							
17								17							
18								18							
19								19							
20								20							
21								21							
22								22							
23								23							
24								24							
25								25							

Record hits on pole (within 10 cm radius) per 0.1 m intervals up to 8 m; above 8 m, estimate 0, < 5, or > 5 hits per interval.

* Other species 1 (write out full name) _____

** Other species 2 (write out full name) _____

SWFL Microclimate at Life History Study Areas

Study Area _____ **Survey Site** _____ **LOCATION ID** _____ – _____ – _____
(Study area) – (Location) – (Number)

UTM coordinates: Easting (x) 0 _____ Northing (y) _____ Accuracy _____ m

Dominant habitat within 10 m: Cottonwood/Willow Tamarisk Mixed Native/Exotic Other (specify: _____)

Estimated canopy cover at the logger: Less than 25% 25%-75% More than 75%

Temperature/Relative Humidity (T/RH)

Set-up: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

Logger 6-digit serial number (e.g., #630863): _____ Was red LED checked at set-up? Y or N

If nest site, when was nest vacated (known or estimated; MM/DD/YY)? _____

Logger location: Tree Shrub Est. overall height of tree or shrub? _____ m Est. height of logger _____ m

Take-down: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

Logger 6-digit serial number (e.g., #630863): _____

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., array blown out of tree, etc.)? No Yes If yes, explain:

Soil Moisture (SM)

Set-up: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

6-digit sensor serial number: _____ logger number: _____

Soil sample taken (at set-up only)? Yes No If no, explain:

SM readings: Plot center _____ % _____ mV

N: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV **S:** 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV

E: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV **W:** 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV

Distance to saturated/inundated soil: _____ m

Take-down: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

6-digit sensor serial number: _____ logger number: _____

SM readings: Plot center _____ % _____ mV

N: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV **S:** 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV

E: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV **W:** 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV

Distance to saturated/inundated soil: _____ m

Location identifier format: Study area code (MW, MM, PA, TM) – Location code (NS, WT, SU, SVR, SVD) – Nest number (for NS, WT, SU locations) or Seasonal Variation number; e.g., TM-SU-9A or MM-SVD-2

SWFL Microclimate at Life History Study Areas

Seasonal Variation Supplement

Study Area _____ Survey Site _____ LOCATION ID _____
 (Study area) – (Location) – (Number)

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Microclimate at Sites South of Topock – T/RH

Study Area _____ **Survey Site** _____ **LOCATION ID** _____ – _____ – _____
 (Study area) – (Survey site) – (Number)

UTM coordinates: Easting (x) 0 _____ **Northing (y)** _____ **Accuracy** _____ m

Dominant habitat within 10 m: Cottonwood/Willow Tamarisk Mixed Native/Exotic Other (specify: _____)

Estimated canopy cover at the logger: Less than 25% 25%-75% More than 75%

Temperature/Relative Humidity (T/RH)

Set-up: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

Logger 6-digit serial number (e.g., #630863): _____ Was red LED checked at set-up? Y or N

Logger location: Tree Shrub Est. overall height of tree or shrub? _____ m Est. height of logger _____ m

Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
 No Yes If yes, explain:

Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
 No Yes If yes, explain:

Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
 No Yes If yes, explain:

Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____

Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
 No Yes If yes, explain:

Location ID codes: Study area codes – Topock Gorge = TG, Ehrenberg = EH, Cibola = CI, Imperial = IM, Mittry = MI, Yuma = YU.
 Survey site codes – Blankenship = BK, Havasu NE = HV, Three Fingers Lake = TF, Cibola Lake = CL, Walker Lake = WL, Paradise = PV,
 Hoge Ranch = HR, Rattlesnake = RS, Clear Lake = LK, Ferguson Lake = FL, Ferguson Wash = FW, Great Blue Heron = GB,
 Martinez Lake = ML, Mittry West = MW, Gila Confluence North = GC

Microclimate at Sites South of Topock – T/RH, continued

Study Area _____ **Survey Site** _____ **LOCATION ID** _____ – _____ – _____
 (Study area) – (Survey site) – (Number)

<p>Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____</p> <p>Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N</p> <p>Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)? No Yes If yes, explain:</p>
<p>Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____</p> <p>Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N</p> <p>Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)? No Yes If yes, explain:</p>
<p>Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____</p> <p>Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N</p> <p>Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)? No Yes If yes, explain:</p>
<p>Download: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____</p> <p>Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N</p> <p>Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)? No Yes If yes, explain:</p>
<p>Takedown: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____</p> <p>Logger 6-digit serial number (e.g., #630863): _____ Did you check red LED? Y or N</p> <p>Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)? No Yes If yes, explain:</p>

Microclimate at Sites South of Topock – Soil Moisture 2005

Study Area _____ Survey Site _____ LOCATION ID _____ – _____ – _____
 (Study area) – (Survey site) – (Number)

Soil Moisture (SM)

Set-up: Date (MM/DD/YY): _____ Time (military): _____ Crew member(s): _____ 6-digit sensor serial number: _____ logger number: _____ Soil sample taken (at set-up only)? Yes No If no, explain: _____							
SM readings: Plot center _____ % _____ mV <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; border-right: 1px solid black;"> N: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV </td> <td style="width: 25%; border-right: 1px solid black;"> S: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV </td> <td style="width: 25%; border-right: 1px solid black;"> E: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV </td> <td style="width: 25%;"> W: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV </td> </tr> </table> Distance to saturated/inundated soil: _____ m				N: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV	S: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV	E: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV	W: 1.0 m _____ % _____ mV 2.0 m _____ % _____ mV
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Microclimate at Sites South of Topock – Soil Moisture 2005

Supplement

Study Area _____ Survey Site _____ LOCATION ID _____ - _____ - _____
(Study area) – (Survey site) – (Number)

Additional SM readings

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

Date (MM/DD/YY): _____		Time (military): _____		Crew member(s): _____	
6-digit sensor serial number: _____		logger number: _____			
SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
E: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		W: 1.0 m _____ % _____ mV	
Distance to saturated/inundated soil: _____ m					

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SM readings: Plot center _____ % _____ mV					
N: 1.0 m _____ % _____ mV		2.0 m _____ % _____ mV		S: 1.0 m _____ % _____ mV	
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